# simple example of structuring the data segment

```assembly
.data
L1: .word 0x1234  # some arbitrary value
L2: .word 0x4567  # some arbitrary value
Res: .space 4     # reserve 4 bytes

.ascii "CmpE 2030"  # store an ascii string
.str: .ascii "CmpE 2030"  # store without the null termination character
.byte 0x77

.align 2          # move back to a word boundary
.byte 0x77, 21    # arbitrary numbers

.align 4          # move to a 16 byte boundary
.byte 0x77

row1: .word 11,12,13  # first row of the matrix
row2: .word 21,22,23  # second row of the matrix
row3: .word 31,32,33  # third row of the matrix
```